		Exploring the Ex	xtreme				
		2007 Science					
Curriculum Standards							
Kansas Science							
Grades K-2							
Activity/Lesson	State	Standards					
,			observes properties of objects and				
Finding the Center of			measures or describes those properties				
Gravity Using Rulers		SCI.K-2.2.1.1	using age-appropriate tools and materials.				
, , , , , , , , , , , , , , , , , , ,	_		3 - 3 - 3 - 11 - 1				
Finding the Center of			describes the position of an object in relation				
Gravity Using Rulers		SCI.K-2.2.1.4	to other objects.				
, ,			,				
		Exploring the Ex	xtreme				
2007 Science							
		Curriculum Star	ndards				
Kansas Science							
Grades 3-4							
Activity/Lesson	State	Standards					
Finding the Center of			asks questions that he/she can answer by				
Gravity Using Rulers	KS	SCI.3-4.1.1.1	investigating.				
L							
Finding the Center of							
Gravity Using Rulers	KS	SCI.3-4.1.1.2	plans and conducts a simple investigation.				
			begins developing the abilities to				
Fig. 15 and a Constant of			communicate, critique, analyze his/her own				
Finding the Center of			investigations, and interprets the work of				
Gravity Using Rulers	KS	SCI.3-4.1.1.4	other students.				
Cindina the Contex of			observes properties of objects and				
Finding the Center of		SCI.3-4.2.1.1	measures those properties using appropriate				
Gravity Using Rulers	NS	501.3-4.2.1.1	tools. moves objects by pushing, pulling, throwing,				
Finding the Center of			spinning, dropping, and rolling; and				
Gravity Using Rulers		SCI.3-4.2.2.1	describes the motion.				
Cravity Osing Rulers	100	001.0-4.2.2.1	describes the motion.				
Finding the Center of			describes the change in position of objects				
Gravity Using Rulers		SCI.3-4.2.2.2	when moved.				
Finding the Center of		000					
Gravity Using Plumb			asks questions that he/she can answer by				
Lines	KS	SCI.3-4.1.1.1	investigating.				
			begins developing the abilities to				
Finding the Center of			communicate, critique, analyze his/her own				
Gravity Using Plumb			investigations, and interprets the work of				
Lines	KS	SCI.3-4.1.1.4	other students.				
Finding the Center of			observes properties of objects and				
Gravity Using Plumb			measures those properties using appropriate				
Lines	KS	SCI.3-4.2.1.1	tools.				
Finding the Center of			moves objects by pushing, pulling, throwing,				
Gravity Using Plumb			spinning, dropping, and rolling; and				
Lines	KS	SCI.3-4.2.2.1	describes the motion.				

Einding the Contor of			T
Finding the Center of			describes the change is position of chicate
Gravity Using Plumb	KS	SCI.3-4.2.2.2	describes the change in position of objects when moved.
Lines	NS	SCI.3-4.2.2.2	when moved.
Changing the Center			acts assertions that he labor can appropriately
of Gravity Using Moment Arms	1/0	00104444	asks questions that he/she can answer by
	KS	SCI.3-4.1.1.1	investigating.
Changing the Center			
of Gravity Using	140	00104440	
Moment Arms	KS	SCI.3-4.1.1.2	plans and conducts a simple investigation.
			begins developing the abilities to
Changing the Center			communicate, critique, analyze his/her own
of Gravity Using			investigations, and interprets the work of
Moment Arms	KS	SCI.3-4.1.1.4	other students.
Changing the Center			observes properties of objects and
of Gravity Using			measures those properties using appropriate
Moment Arms	KS	SCI.3-4.2.1.1	tools.
Changing the Center			moves objects by pushing, pulling, throwing,
of Gravity Using			spinning, dropping, and rolling; and
Moment Arms	KS	SCI.3-4.2.2.1	describes the motion.
Changing the Center			
of Gravity Using			describes the change in position of objects
Moment Arms	KS	SCI.3-4.2.2.2	when moved.
	E	xploring the Ex	treme
		2007 Scienc	е
	С	urriculum Stan	dards
Kansas Science			
Grades 5-7			
Activity/Lesson	State	Standards	
			communicates scientific procedures, results
Jet Propulsion	KS	SCI.5-7.1.1.4	and explanations.
			communicates scientific procedures, results
Vectoring	KS	SCI.5-7.1.1.4	and explanations.
			identifies appropriate problems for
			technological design, designs a solution or
			product, implements the proposed design,
			evaluates the product, and communicates
Vectoring	KS	SCI.5-7.5.1.1	the process of technological design.
			communicates scientific procedures, results
Fuel Efficiency	KS	SCI.5-7.1.1.4	and explanations.
			describes, measures, and represents data
			on a graph showing the motion of an object
Fuel Efficiency	KS	SCI.5-7.2.3.2	(position, direction of motion, speed).
, , , , , , , , , , , , , , , , , , ,			
	E:	xploring the Ex	treme
		2007 Scienc	
	С	urriculum Stan	
Kansas Science			
Grades 8-12			
Activity/Lesson	State	Standards	
,,		2222	actively engages in asking and evaluating
Jet Propulsion	KS	SCI.8-12.1.1.1	research questions.
l	140	001 0 40 4 4 4	actively engages in asking and evaluating

			actively engages in communicating and
			defending the design, results, and
Jet Propulsion	KS	SCI.8-12.1.1.5	conclusion of his/her investigation.
			actively engages in investigations, including
			developing questions, gathering and
			analyzing data, and designing and
Vectoring	KS	SCI.8-12.1.1.2	conducting research
			actively engages in using technological tools
			and mathematics in their own scientific
Vectoring	KS	SCI.8-12.1.1.3	investigations.
			actively engages in communicating and
			defending the design, results, and
Vectoring	KS	SCI.8-12.1.1.5	conclusion of his/her investigation.